Approved For Release 2002/11/08: CIA-RDP78T02095R000800030023-4 July 1767

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## PEAPPRAISAL OF THE AIR STRIKES AGAINST TARGETS IN HANOI

Summary

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During the period 25 April-10 June 1967 a total of 420 sorties were flown against significant military and economic targets in the Hamoi area, including 8 fixed targets. These attacks have caused significant disruptions to normal life in Hamoi but have not caused the regime to change its attitude toward continuing the war.

About one-half of Hanoi's population has been evacuated as has some industry and most of the government ministries. Food and water supplies have become tighter, more expensive and has reliable but all essential requirements continue to be met. The transportation system both within and leading to Hanoi performs adequately. Although the city has only half its normal capacity to generate electric power, a system of rationing, alternative sources of power and a reduced demand because of dispursal programs makes it possible to maintain adequate supplies.

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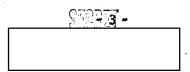
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		A REAPPRAISA	OF THE AIR CTRIKES	AGAINET TARGETS IN	HANOI	
4		Magnitude of the	Campaign		·	
•		1. Since 2	5 April 1967 a total o	£ 8	targets	25X1A
		have been struck	within a 10-mile radi	us of the city of H	anoi. (See	
		Tuble) In addit	ion attacks have been	flown against a few	important	
	25X1A	targets,	and SAM sites and oth	or antiaircraft ins	tallations	
		in the area. Th	ere have been no attac	ka egalust	tergots	25X1
i		in the Hanoi are	a since the 10 June st	rike against the Ha	noi power-	
		plant.				*
		2. During	the 20 April-10 June c	ampaign 270 porties	were flown	
		and approximately	y 500 tons of ordnance	wore dropped again	st	25X1A
25X1A	Г	fixed	targets. At least 15	O attack sorties ve	re flown	
25X1A	_	against	fixed targets desire,	SAN and AAA sites,	and targets	
		of opportunity w	ithin the Hanoi area.	These operations a	re sumarized	
		in the tabulation	n below.			
	Γ		Mumber of Tergets	Attack Sortles	Gränince (To	n <b>s)</b>
25X1A			8	270	500	,
			NA NA	150	200	
			<u>NA</u>	120	<u>700</u>	
	L			<del></del>		
25X1A		A Comprised of armed recommass and AAA sites.	ance targets such as b	sites, and other proridges, berges, sto		<b>1997-49</b>
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	General Effects						
	3. The bombing of targets in the Henoi crea has not drastically						
	changed the attitudes of the North Vietnamese regime toward continuing						
	the war but it has significantly disrupted normal life in the capital.						
	At the end of May the regime announced some steps to ease the						
	difficulties caused by the bombing in the Hanoi area, including the						
	evacuation of all non-essential people and the construction of						
	additional air reid shelters. The population was advised to store						
A	kerosene and kerosene lemps and to dig communel wells.						
	4. The evacuation program which the regime has been promoting						
	for well over a year was more rigidly enforced in May.						
25X1	about one-half of Hanoi's population, mostly						
	childress and old people, had been evacuated to areas between 10 and 60 kilometers from Hanoi. Before the recent bushing these two groups had been encouraged to leave Hanoi but the regime was not						
	successful in implementing the program until the more obligatory						
į	and forcible evacuation of both groups took place in May. Only						
	able-bodied people between the ages of 20 and 40 are said to resain						
	in Exnot, presumebly to carry on essential economic activity.						
25X1	5. all of the North Vietnamese						
	government ministries except Foreign Affairs and National Defense						
	have been evacuated, leaving only a skeleton staff in Haugi. Foreign						
	embassies and legations have been told they are velcome to evacuate						
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	CONT						
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60 kilometers northwest of Hanoi. None have accepted the invitation.

- 6. The water supply in Hanoi has not been scriously affected by the bombing except for a brief period following the first attacks against the Hanoi powerplant in May. Information available as of mid-June indicates that the water supply is, however, irregular and impure because the major pusping station and the auxiliary water supply unit had been hit.
- 7. Food rations in Hanoi are being maintained at minimum of 13 kilograms per person per month with the help of food imports from theother Communist countries; however, the percentage of wheat flour or other secondary crops making up part of the rice ration has increased.
- 8. Official food prices in Manoi have not risen but free market prices have gone up since 1966. Although the official price for rice is about 15 cents per kilogram, but the free market price in April 1967 was about \$1.00 per kilogram. Most is in short supply and the normal mest ration of 150 grams per month is being met with fat.
- 9. The amount of damage to civilian structures in Hanoi is remarkably light in view of the intensity of the attacks on relatively small but heavily defended targets in areas close to civilian housing. An intensive analysis of post-strike photography



through the 10 April-22 May period of heavy attacks against Hanoi reveals only 181 civilian structures destroyed or demaged, 135 of which were located along one target, the Yen Vien Railroad Classification Yard. It is probable that an additional 150 houses were damaged or destroyed as a result of attacks against the Hanoi Thermal Power Flant, the Ha Dong Army Barracks and Supply Depot, and the Van Dies Vehicle Depot carly in June.

10. Transportation within Hanoi continues much as it has in past months. There are no indications of a shortage of gasoline for official and military cars, buses, and trucks in Honoi, and foreign embassies continue to receive all the gasoline they require. Soviet buses are observed in operation both in Hanoi and in the environs of the city, and there are no indications that the electric power shortage has affected the use of the street car system.

been reduced by the evacuation of all people not engaged in essential activity. Large numbers of people normally rely on bicycles, and tricycles, ox carts for transportation. These conditions make it possible to provide essential passenger and intra-city freight transportation. Street cars and buces have been reported to be crowded on holidays.

12. While air strikes have been successful in destroying or desaging key rail and highway bridges interdicting important rail yards and sidings, linking Hanoi with the rest of the country,



North Vietnamese repair efforts, aided by Chinese Communist engineering unite, have been adequate to maintain traffic. Virtually all the major bridges on the rail lines leading into Hanoi from the north and east have been by-passed, and in some cases, more than one type of bypass is employed. A bypass to the damaged Hanoi Railroad Highway Bridge, for example, was in service within a month of the attack, and the original bridge was completely repaired within six weeks.

23. Although the bombing of the rail system has produced some adverse effects, the system still has the capability of transporting sufficient quantities to support North Vietnam's economy and war effort. Rail transportation into Hanoi continues, although it is disrupted occasionally but never completely stopped. The important roads and waterways leading to Hanoi have been attacked repeatedly, causing some difficulties in transport operations but repairs and countermeasures have effective maintained traffic movements. In general, the combined rail, road, and water transport system into Hanoi is excellent and provides a flexible network for the ovement of supplies. If any one mode is interdicted, the others are available to ensure the continuation of traffic.

## Electric power

14. Available electric power supply in the Hanoi area currently is estimated at 20,000 km to 25,000 km. Since late in May, as a of bomb damage to 3 of 7 boilers, result, the Hanoi powerplant has been operating at about one-half

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its rated capacity of 32,500 csel-driven generating stations reportedly located in or near the city probably can supply an additional 5,000 kw. The combined power supply is sufficient to gover 40 percent to 50 percent of normal demands.

15. Normal pre-strike power demands for the city of Hanoi and vicinity ranged from 50,000 kw to 60,000 kw. This demand was furnished by the Hanoi powerplant, and by power drawn from the main transmission network through the Dong Anh substation north of the city. All of the main powerplants feeding the network and the Dong Anh substation are out of operation. In each case, restoration of these facilities to partial operation will require 3 months or longer. Except for the installation of additional diesel generating equipment, there is little prospect of significantly improving Hanoi's

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selective basis, with buildings housing foreigners apparently receiving one of the highest priorities.

present power supply before late summer.

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There is no reliable information on the effects of restricted power supply on local industry. The dispersal of the population and of some industry has reduced the normal pre-strike demand for power. It is likely, therfore, that the regime is still able to satisfy all essential power demands in Hanoi.

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